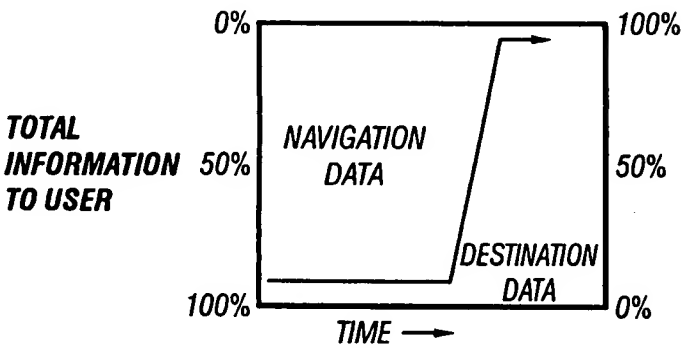
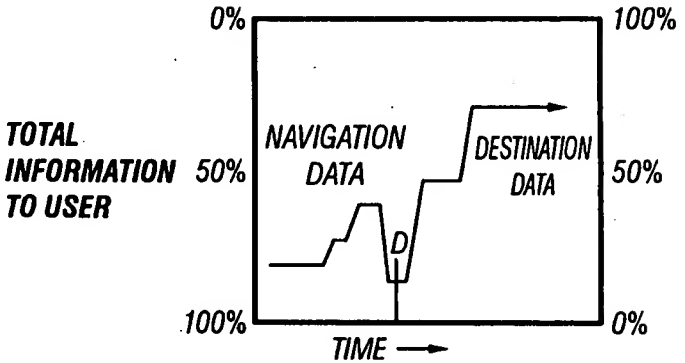


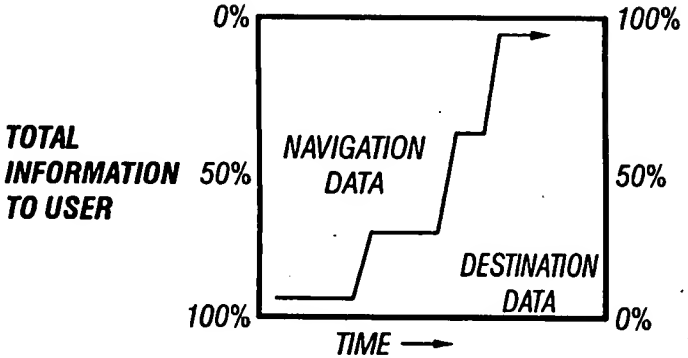
COMMAND-DRIVEN INTERFACES

FIG. 1A



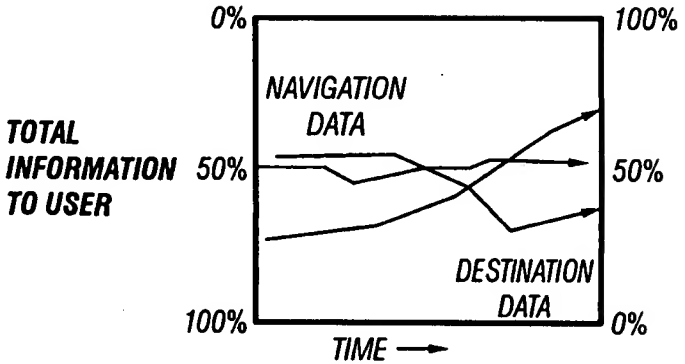
MENU-DRIVEN INTERFACES

FIG. 1B



GUI-DRIVEN INTERFACES

FIG. 1C



CYBERSPACE-DRIVEN INTERFACES

FIG. 1D

DO NOT COPY

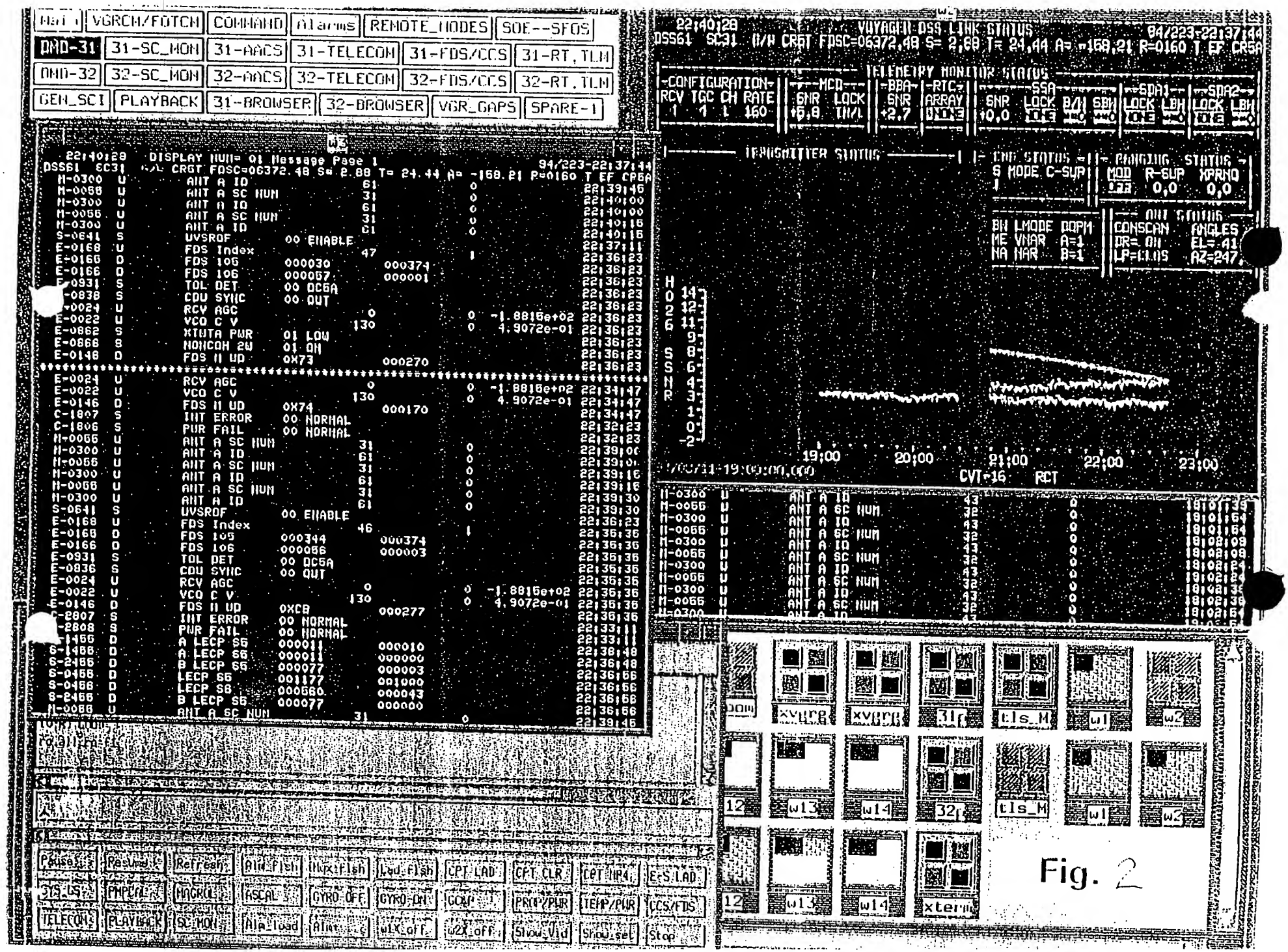


Fig. 2

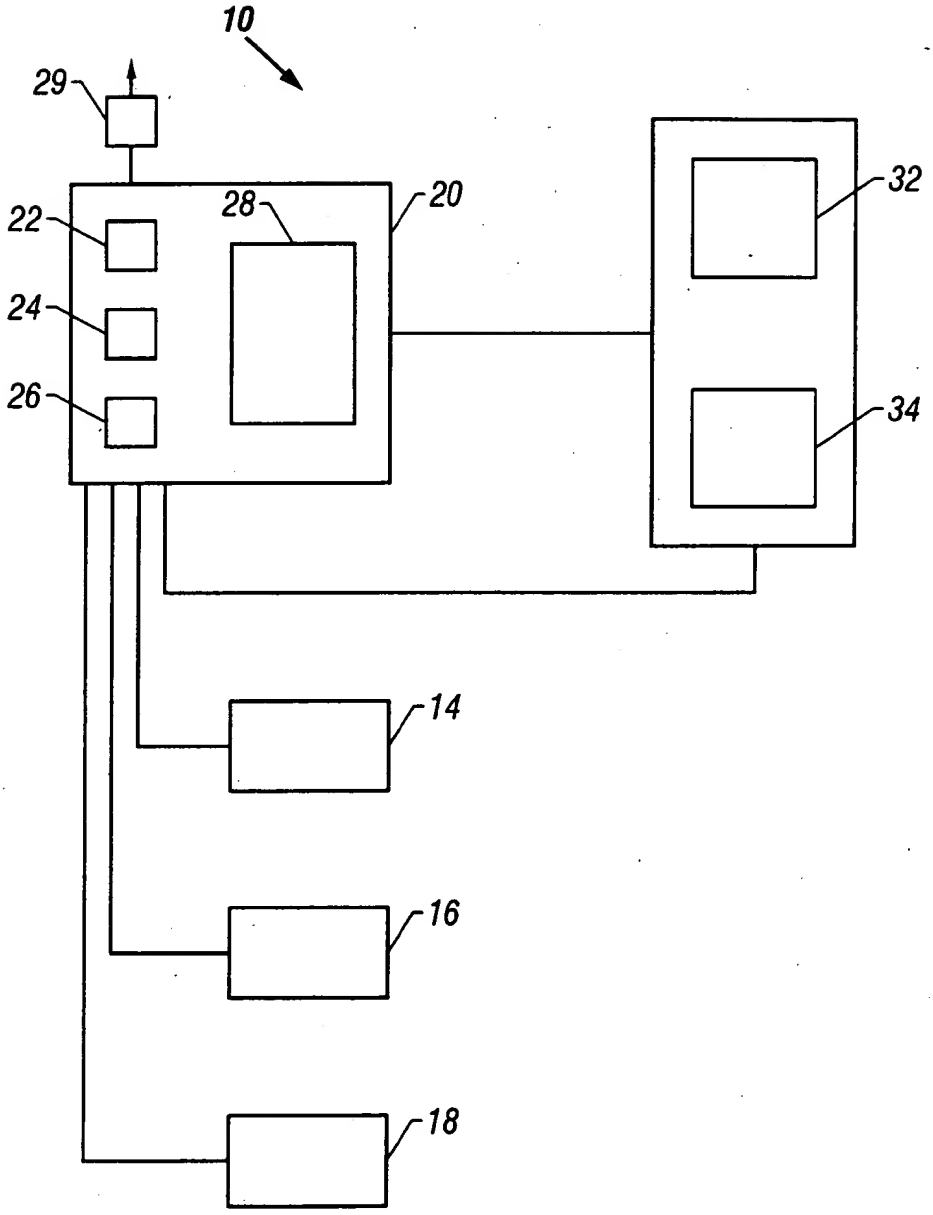


FIG. 3

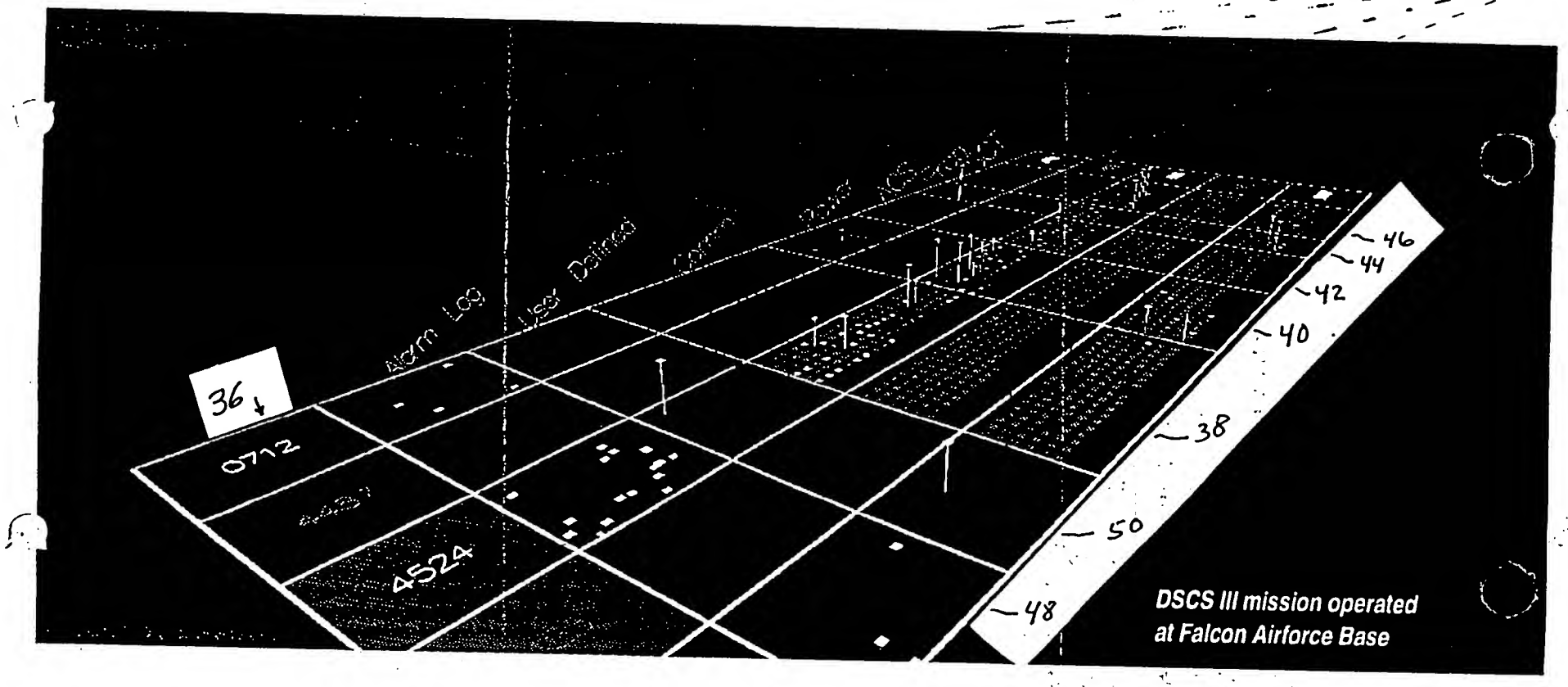

36
0712
4524
~46
~44
~42
~40
~38
~50
~48
DSCS III mission operated
at Falcon Airforce Base

Fig. 4

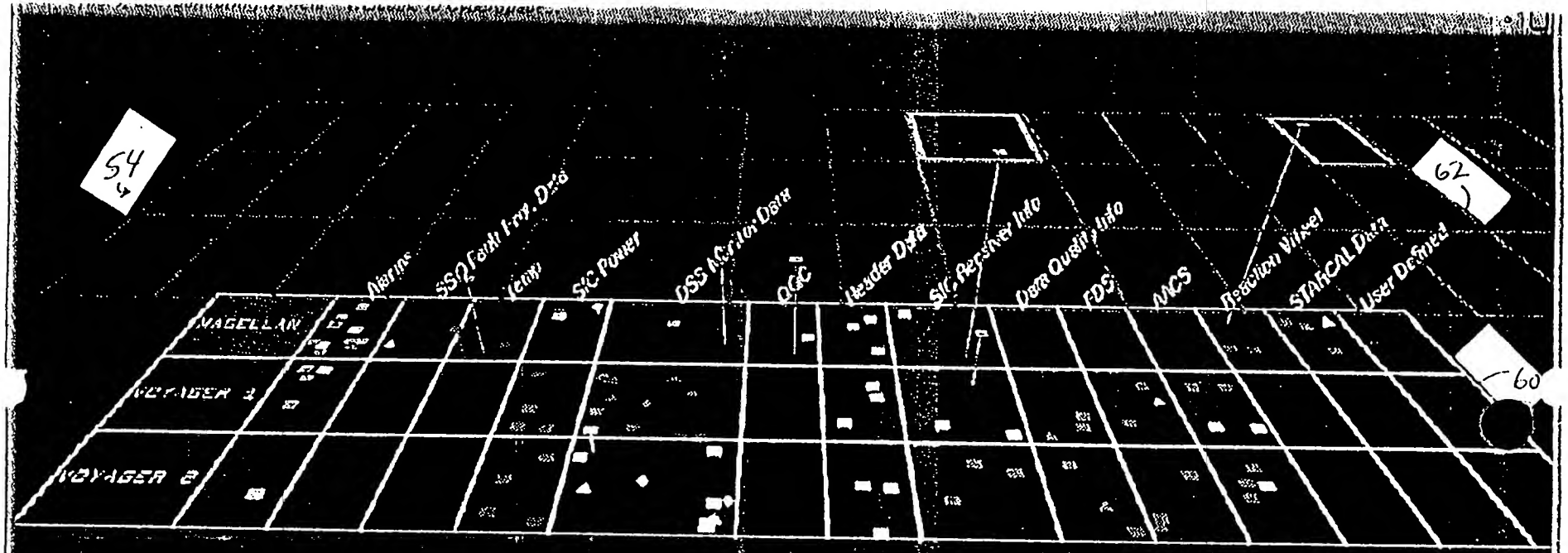

54
Alarms
SSQ Fault Fwd. Data
Telem
S/C Power
DSS Monitor Data
QAC
Header Data
S/C Receiver Info
Data Quality Info
FDS
AACS
Reaction Wheel
STARCAL Data
User Defined
62
60
MAGELLAN
VOYAGER 1
VOYAGER 2

Fig. 5b

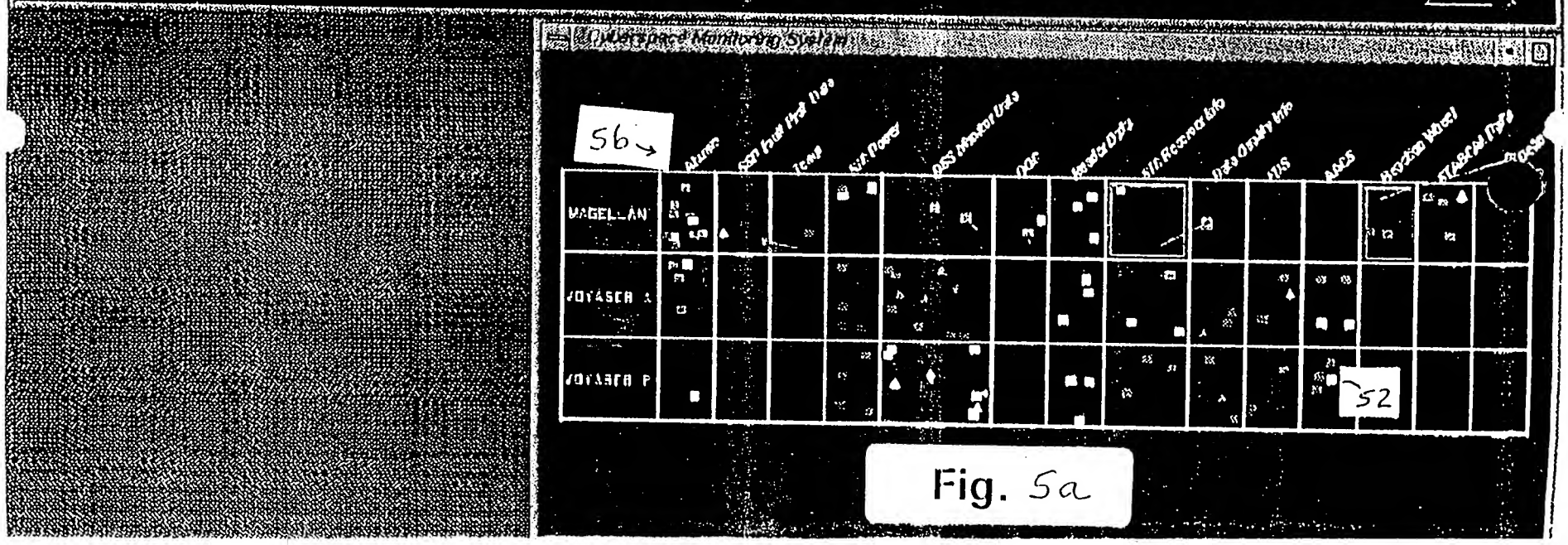

56
Alarms
SSQ Fault Fwd. Data
Telem
S/C Power
DSS Monitor Data
QAC
Header Data
S/C Receiver Info
Data Quality Info
FDS
AACS
Reaction Wheel
STARCAL Data
MAGELLAN
VOYAGER 1
VOYAGER 2
52

Fig. 5a

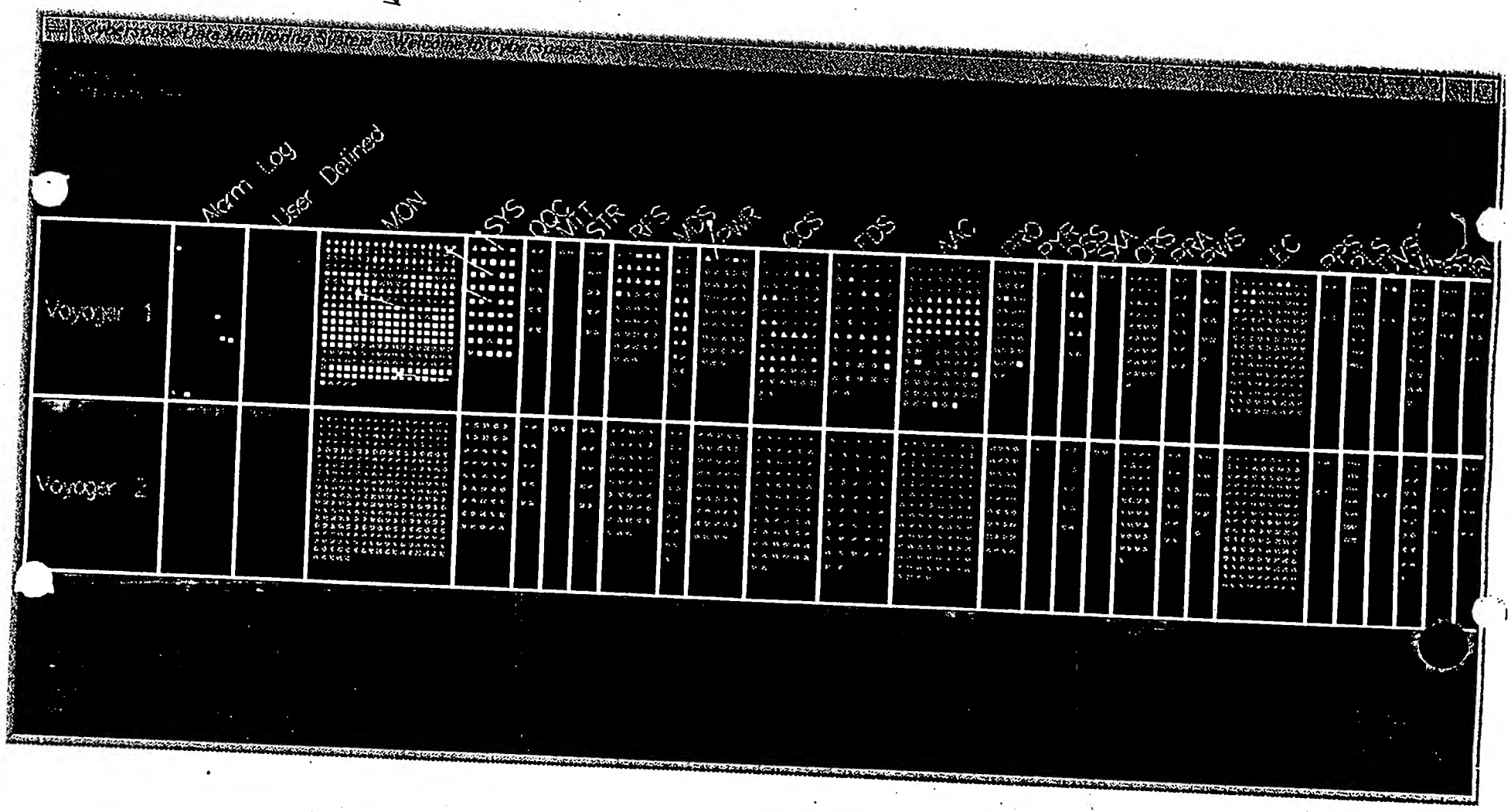
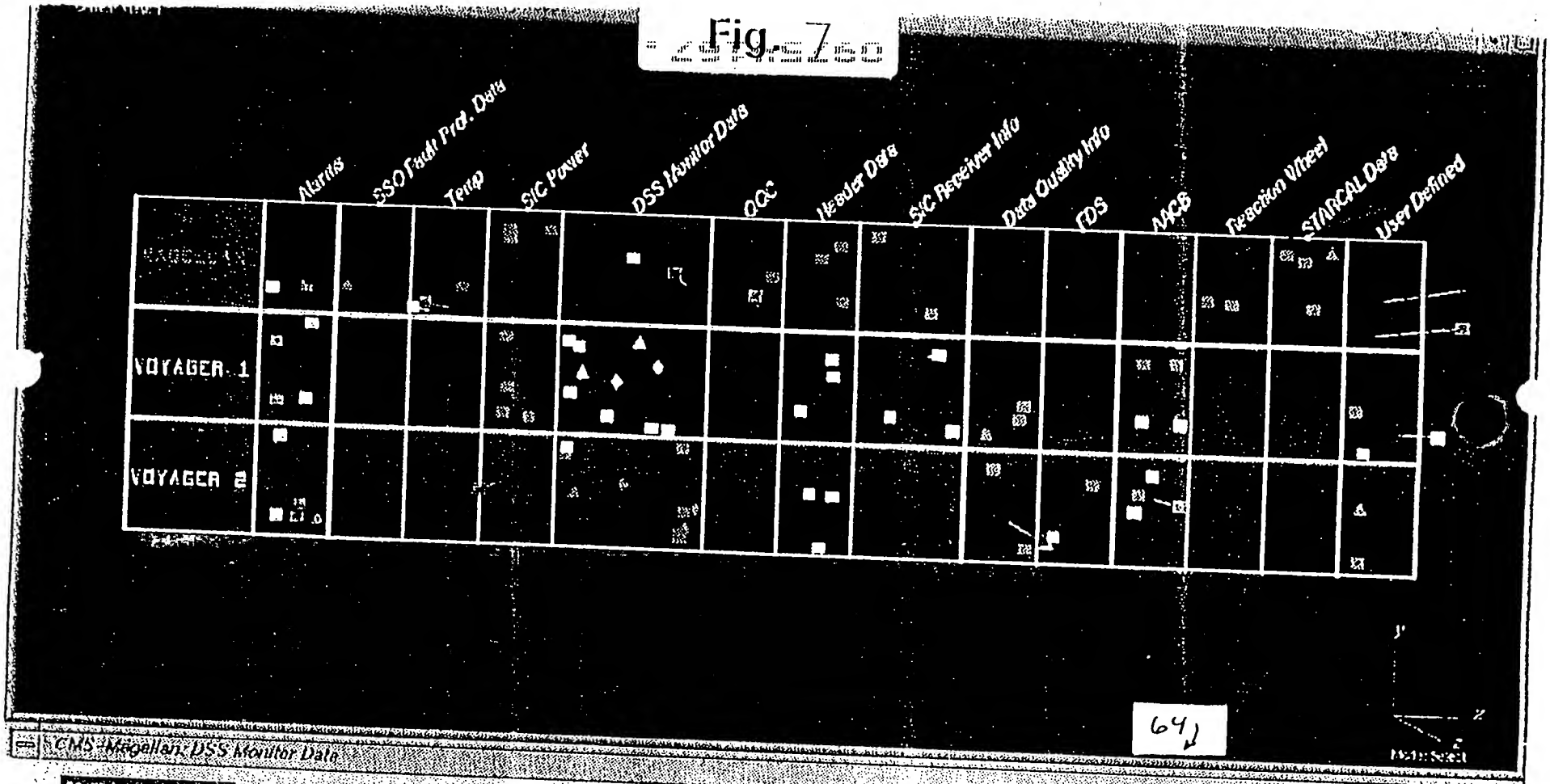

58
Alarm Log
User Defined
MON
SYS
PCC
CMIT
STR
RFS
MDS
PWR
CCS
FDS
MC
PRO
DVR
OPS
OSA
OTS
DRA
SWS
EC
PRS
SVR
Voyager 1
Voyager 2

Fig. 6

Fig. 7



64

CMS: Magellan: DSS Monitor Data

CPU: 93-253/16:26:02 SCE: 93-253/16:09:39 HC: 09/10/93-16:20:38 MSN: 7 CHI: 2

ERT: 93-253/16:09:53 SCLK (Dec): 0887761076 SCLK (Hex): 34E0AB34 Broadcast ID: [illegible] DSS: 15

Channel	Type	Name	ERT	Engr Unit	Data Num	Delta	Alarm Value	Yellow/Red Alarm Info	Analog Thermal Fa
K-0027	I	RCVA AMB A	93-253/16:26:05.000	-146.96					
K-0080	U	RCA SNR 1	93-253/16:25:05.000	6.0859	779			-140.000000,-120.000000/-150.000000,-100.0	
K-0034	S	Recon Control	93-253/16:20:51.000		0FF=00			0.100000,0.200000/3.300000,10.000000	120/60
K-0040	I	Ant 4 Temp 2	93-254/16:00:51.030	01.209	229			888/0	
K-0055		Ckt Cont 4	93-254/16:20:52.030	121.58			ALARM LIMIT	0.0/0.0	

Print

64

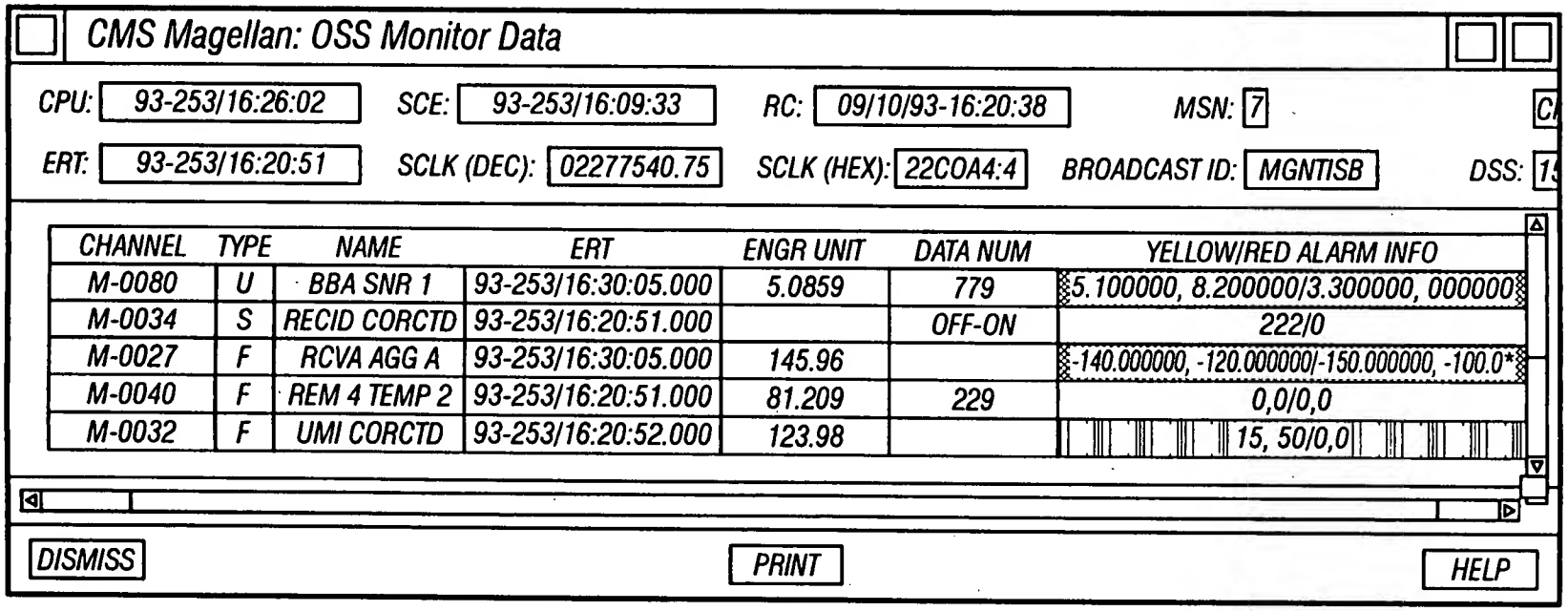

CMS Magellan: OSS Monitor Data
CPU: 93-253/16:26:02
SCE: 93-253/16:09:33
RC: 09/10/93-16:20:38
MSN: 7
ERT: 93-253/16:20:51
SCLK (DEC): 02277540.75
SCLK (HEX): 22C0A4:4
BROADCAST ID: MGNTISB
DSS:
CHANNEL TYPE NAME ERT ENGR UNIT DATA NUM YELLOW/RED ALARM INFO
M-0080 U BBA SNR 1 93-253/16:30:05.000 5.0859 779 5.100000, 8.200000/3.300000, 000000
M-0034 S RECID CORCTD 93-253/16:20:51.000 OFF-ON 222/0
M-0027 F RCVA AGG A 93-253/16:30:05.000 145.96 -140.000000, -120.000000/-150.000000, -100.0*
M-0040 F REM 4 TEMP 2 93-253/16:20:51.000 81.209 229 0,0/0,0
M-0032 F UMI CORCTD 93-253/16:20:52.000 123.98 15, 50/0,0
DISMISS
PRINT
HELP

FIG. 8

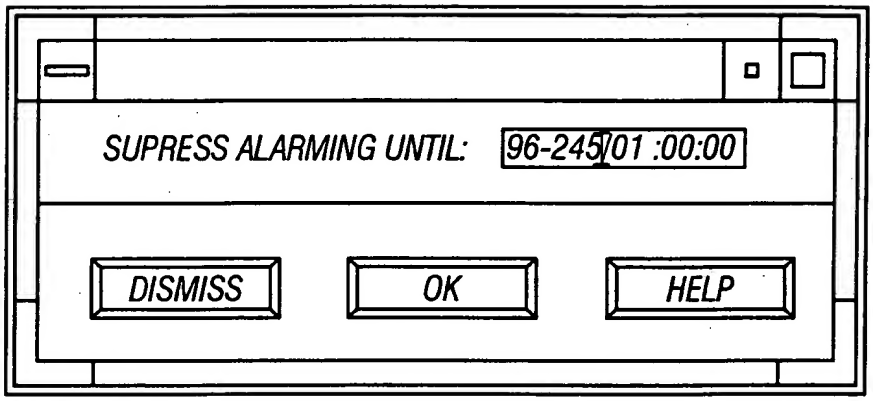


FIG. 9

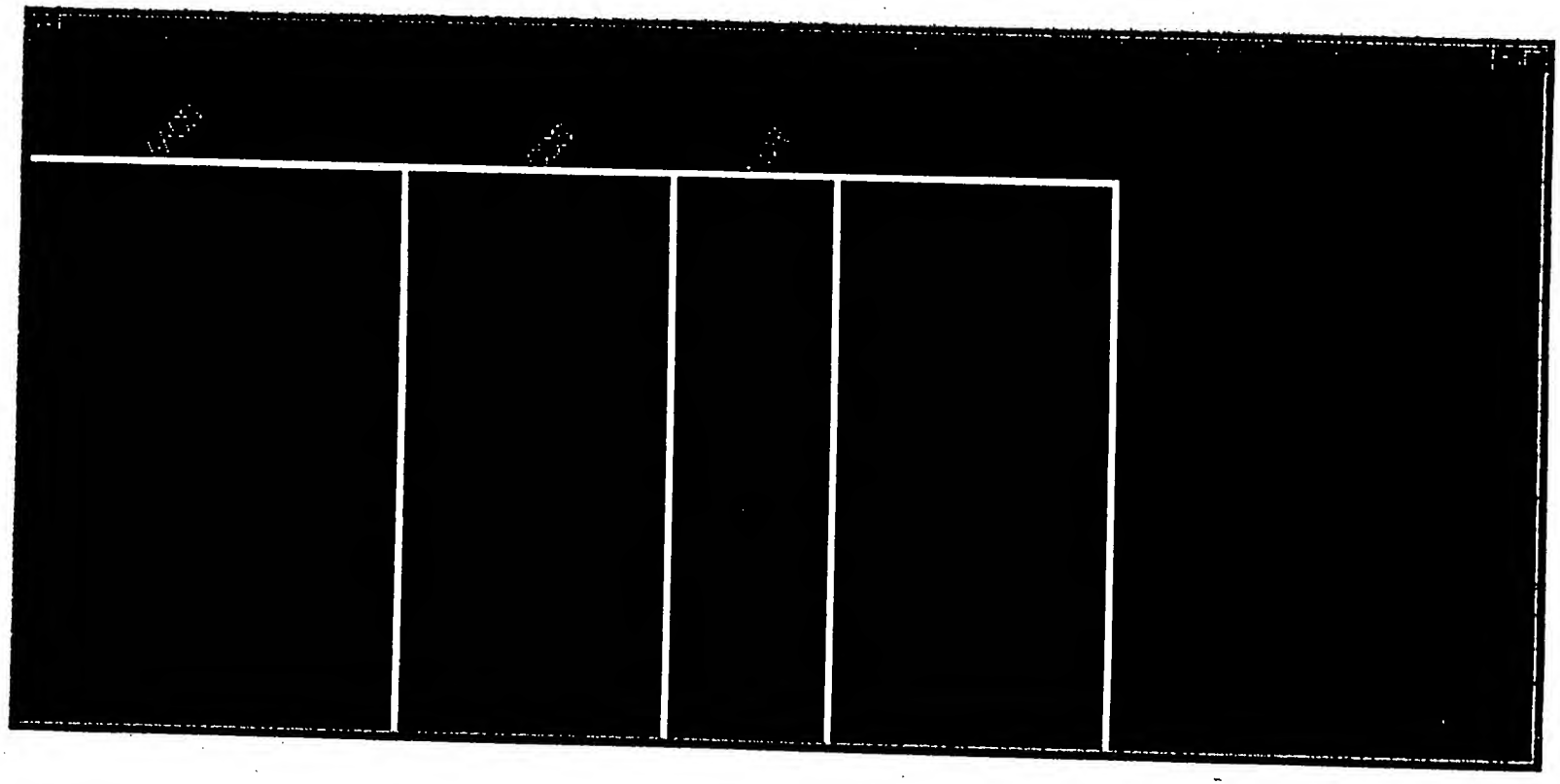


Fig. 10

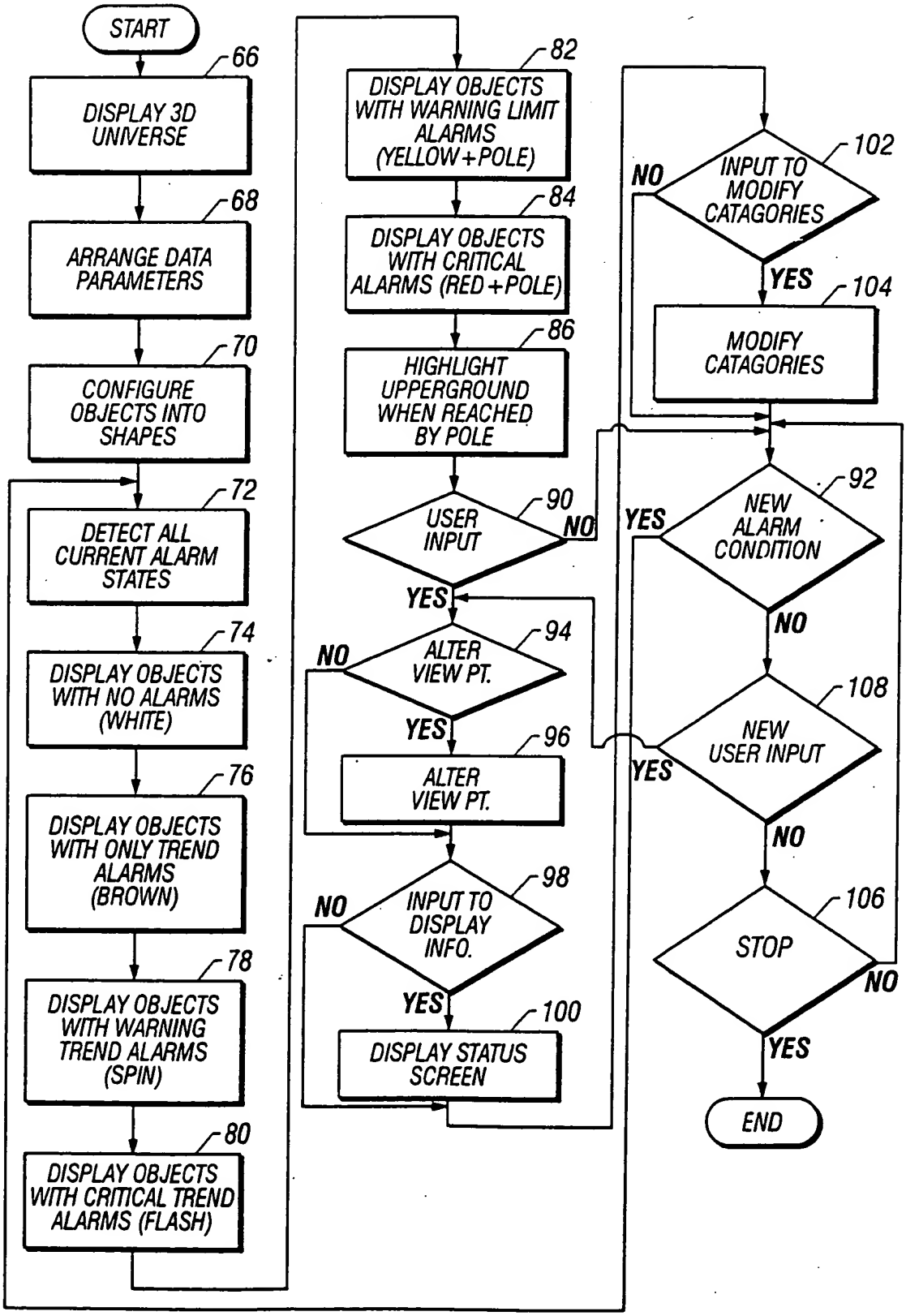

START
66
DISPLAY 3D UNIVERSE
68
ARRANGE DATA PARAMETERS
70
CONFIGURE OBJECTS INTO SHAPES
72
DETECT ALL CURRENT ALARM STATES
74
DISPLAY OBJECTS WITH NO ALARMS (WHITE)
76
DISPLAY OBJECTS WITH ONLY TREND ALARMS (BROWN)
78
DISPLAY OBJECTS WITH WARNING TREND ALARMS (SPIN)
80
DISPLAY OBJECTS WITH CRITICAL TREND ALARMS (FLASH)
82
DISPLAY OBJECTS WITH WARNING LIMIT ALARMS (YELLOW+POLE)
84
DISPLAY OBJECTS WITH CRITICAL ALARMS (RED+POLE)
86
HIGHLIGHT UPPERGROUND WHEN REACHED BY POLE
90
USER INPUT
NO
YES
94
ALTER VIEW PT.
NO
YES
96
ALTER VIEW PT.
98
INPUT TO DISPLAY INFO.
NO
YES
100
DISPLAY STATUS SCREEN
102
INPUT TO MODIFY CATAGORIES
NO
YES
104
MODIFY CATAGORIES
92
NEW ALARM CONDITION
YES
NO
108
NEW USER INPUT
YES
NO
106
STOP
NO
YES
END

FIG. 11